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Sequence 4420, Ap
Sequence 5655, Ap
Sequence 4893, Ap
Sequence 3, Appli
Sequence 3, Appli
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3586, Ap
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                                                                      April 1, 2003, 08:45:46 ; Search time 19 Seconds (without alignments) 695.310 Million cell updates/sec
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GenCore version 5.1.4 p5 4578 Copyright (c) 1993 - 2003 Compugen_Ltd.
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Sequence 4, Appli Sequence 12, Appli Sequence 12, Appl Sequence 12, Appl Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli Sequence 11, Appl Sequence 11, Appl Sequence 12, Appli Sequence 13, Appli Sequence 2, Appli Sequence 28, Appli Sequence 28, Appli Sequence 28, Appli	rch oining Region of	Length 129; Indels '1; Gaps 1; BITSRLLILVLFSATL 265     ::       :      :        :	SEQUENCES RELATING TO STAPHYLOCOCCUS; AND THERAPEUTICS
2 US-08-760-936-4 1 US-09-041-075A-5 1 US-08-415-818-12 2 US-08-4236-12 5 PCT-US96-01444-12 4 US-09-082-088-2 2 US-08-46-117-2 2 US-08-46-117-2 1 US-08-597-236-11 1 US-08-597-236-11 1 US-08-597-236-11 1 US-08-597-236-11 2 US-08-864-47 4 US-09-542-733-2 2 US-08-865-6-3 2 US-08-865-6-3 2 US-08-865-6-3 2 US-08-865-6-3 3 US-08-865-86-3 5 US-08-865-86-3 5 US-08-865-86-3 5 US-08-865-86-3 5 US-08-865-86-3 5 US-08-865-86-3	RESULT 1  15-09-058-489-46  15-09-058-489-46  15-09-058-489-46  15-09-058-489-46  15-09-058-489-46  15-09-058-489-46  15-09-058-489-46	ttch  al Similarity 35.5%; Pred. No. 4.2e-10;  33; Conservative 26; Mismatches 33; Indels 1; G VESLVSVTYGATLCNMLAIQIKXDDYKIRLGPLEVLCITIWRTLEITSRLLILIVLESATL.	US-09-134-001C-4420  Sequence 4420, Application US/09134001C  Sequence 4420, Application US/09134001C  Remeant No. 6380370  GENERAL INFORMATION:  TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND CURRENT APPLICATION NUMBER: US/09/134,001C  CURRENT PELLING DATE: 1998-08-13  FRIOR PELLOATION NUMBER: US 60/064,964  PRIOR PELLOATION NUMBER: US 60/065,779
383 370 370 370 370 370 380 380 381 381	ABJULT 1  1: 09-058-46  Sequence 46, Application US/09058489  Sequence 46, Application US/09058489  Sequence 46, Application US/09058489  GENERAL INFORMATION: APPLICANT: Whitchead Institute for APPLICANT: Lahn, Bruce APPLICANT: Lahn, Bruce APPLICANT: Lahn, Bruce APPLICANT: Page, David TITLE OF INVENTION: Genes in the NO TITLE OF INVENTION: the Y Chromoson FILE REFERENCE: WH197-08pA CURRENT APPLICATION NUMBER: US/09/(CURRENT FILING DATE: 1998-04-10  EARLIER FILING DATE: 1998-04-11  NUMBER OF SEQ ID NOS: 91  SEQ ID NO 46  LENGTH: 129  TYPE: PRT  TYPE: PRT  ORGANISM: Human  ORGANISM: Human	Match Local Similarity 35.5%; Local Similarity 35.5%; Los 33; Conservative  206 VFSLVSVTYGATLCNMLAIQIK	ccation Uffication Uffication Ufficate-Strength NUCLEIC EPIDERN 1 NUMBER: 11998-110997-11-00000000000000000000000000000
	46 Applica Applica Applica Applica Ito 0.3886 Index Beach Beach VENTION VENTION VICATION ING DATI ALICATION ALICATIO	Similarit Similarit 33, Conse ELVSVTYGA1	-4420 0, Appli 380370 RMATION: Lynn Dov VENTION: VENTION: UCE: GTC LICATION ING DATE: G DATE: CATION N
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SULT 1 Sequence 46, Appl Batent No. 610388 GENERAL INCORNATI APPLICANT: White APPLICANT: White APPLICANT: Babn, TITLE OF INVENTI TITLE OF INVENTI TITLE REFERENCE: CURRENT APPLICAT EARLIER PILING D, NUMBER OF SEQ ID NUMBER OF SEQ ID SOFTWARE: FASTSER LENGTH: 129 TYPE: PAT ORGANISM: Human ORGANISM: Human		SULT 2 Sequence 4420, Ap Sequence 4420, Ap Batent No. 638037 GENERAL INFORMATI APPLICANT: Lynn TITLE OF INVENTI FILE REFERENCE: CURRENT APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION PRIOR APPLICATION
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APPLICANT: LYNN DOUGETEE-Stamm et al
TITLE OF INVENTION: BEPLERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FITLE OF INVENTION: BEPLERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERBNCE: GTC-007
CURRENT PELING DATE: 1998-08-13
PRIOR PILING DATE: 1997-01.08
FRICK APPLICATION NUMBER: US 60/064,964
PRIOR PILING DATE: 1997-11-08
PRIOR PILING DATE: 1997-11-08
PRIOR PILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4893
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                                                      87 FVHRDLAKDKPL----SLFMHLILLGPVIRC-----LEAMIKYLTLWKKEEQEEPYV
                                                                                                135 -SLTRKKMLIDG--EEVLIEW-EVGHSIRTLAMHRNAYKRMSQ------IQAFLGSV
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4.2%; Score 96.5; DB 4; Length 290;
Best Local Similarity 21.6%; Pred. No. 0.033;
Matches 56; Conservative 42; Mismatches 74; Indels 8
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US-09-134-001C-4893
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Patent No. 6380370
GREERAL INFORMATION:
GREERAL INFORMATION:
GREERAL INFORMATION:
TITLE OF INVENTION: WIGHER ALD AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS TITLE OF INVENTION: BPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: BPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR PEPLICATION NUMBER: US 60/064,964
PRIOR PEPLICATION NUMBER: US 60/064,964
PRIOR PEPLICATION NUMBER: US 60/065,779
PRIOR APPLICATION NUMBER: US 60/065,779
PRIOR PEPLICATION NUMBER: US 60/065,779
PRIOR SEQ ID NOS: 5674
SEQ ID NO 5655
LENGTH: 800
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                                                                                                                                                                                                                                                                                                              72 SFFMF-----KPLSLFWHLDLAKD-----KPLSLFWHLILLG 108
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--IGLTLCTIYMLHWVLLVTFPM---- 401
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                                                                                                                                                                                        4.6%; Score 106; DB 4; Length 451;
17.2%; Pred. No. 0.006;
tive 80; Mismatches 144; Indels 146;
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----SITILIFITIFVNMDYIILF 422
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                                                                                                                   ) ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   375 LLNYCHSLIALQLIIAYLISIDFMLLF
PRIOR PILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4420
LENGTH: 451
                                                                                                                                                                          Query Match
Best Local Similarity 17.2%
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Best Local Similarity 21.78
unithes 89; Conservative
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                                                                                                TYPE: PRT
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Sequence 18, Application US/08706281A Patent No. 6100048 GENERAL INFORMATION:
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REFERENCE/DOCKET NUMBER: 96,886
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 325 amino acids TYPE: amino acid
                                                      Conservative
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CORRESPONDENCE ADDRESS:
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Best Local Similarity
Matches 58; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             67 APESLYPTVEKNVSEQMGGLEGRLLFPFMFSLFMYILMANVVSLVPYSYAINAQLMWTMG 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        183 QLTYQLYVSLISAEVPLGRVVLMVPSLVSVTYGATLCNMLAIQIKYDDYKIRLGP---- 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11 OFTTRVYFGLSSGLINLDTWTLTSFSMYSI --- AVVALMLGFSI-LNDNNTNILPTRWSL 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     238 -LEVICITIWRILE----ITSRLLILVLPSA---TLKLKAVPFLVLNPLI-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 4.1%; Score 95.5; DB 2; Length 255; Best Local Similarity 23.2%; Pred. No. 0.035; Matches 58; Conservative 45; Mismatches 108; Indels 3
                                       Sequence 3, Application US/09154802
| Patent No. 589882
| GENERAL INFORMATION:
| APPLICANT: Y. Tom Tang
| APPLICANT: Corley, Neil C. |
| APPLICANT: Guegler, Karl J. |
| APPLICANT: Baugher, Karl J. |
| APPLICANT: Baugher, Karl J. |
| TITLE OF INVENTION: ATP SYNTHASE SUBUNIT HOMOLOG |
| FILE REPERENCE: PF-0596 US |
| CURRENT APPLICATION NUMBER: US/09/154,802 |
| CURRENT APPLICATION NUMBER: US/09/154,802 |
| NUMBER OF SEQ ID NOS: 3 |
| SOFTWARE: PERL PROGRAM |
| SEQ ID NO |
| LENGTH: 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INCORDATION:
APPLICANT: Y. Tom Tang
APPLICANT: Y. Tom Tang
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl J.
APPLICANT: Guegler, Karl J.
TITLE OF INVENTION: ATP SYNTHASE SUBUNIT HOWOLOG
FILE REFERENCE: PP-0596 us
CURRENT APPLICATION NUMBER: US/09/373,029
CURRENT PILING DATE: 1999-08-11
EARLIER APPLICATION NUMBER: 09/154,802
SARLIER APPLICATION NUMBER: 09/154,802
SARLIER PILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 3
SSOFTWARE: PELL PROGRAM
SSO ID NO
SSO ID NO
SSOFTWARE: PRI
CREMIT 255
LENGTH: 255
LENGTH: 255
CREMITER INFORMATION: 91006572
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Patent No. 6036954
                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE: - . . OTHER INFORMATION: 91006572
US-09-154-802-3
                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         396 DFMLLPPQYL 405
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RESULT 5
US-09-154-802-3
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US-09-373-029-3
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APPLICANT: Cone, Roger D
APPLICANT: Fan, Wei
APPLICANT: Fan, Wei
APPLICANT: Boston, Boret A
APPLICANT: Chen, Wenbiao
TITLE OF INVENTION: Methods and Reagents for Discovering and
TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
                                                            10;
                                                                                                                   183 QLTYQLYVSLISAEVPLGRVVLMVFSLVSVTYGATLCNMLAIQIKYDDYKIRLGP---- 237
                                                                                                                                                                                                                                                                          67 AFESLYFTVEKAVSEQMGGLEGRLLFPFMFSLFMYILMANVVSLVPYSYAINAQLMWTMG 126
                                                                                                                                                                                                                                                                                                                                                      280 ILFEPWIKFWRSGAQMPNNIEKNFSRV---GTLVVLISVTILYAGINFSCWS-ALQLRLA 335
                                                                                                                                                                                                                                                                                                                                                                                          336 DRDLVDKGQNWGHMGLHYSVRLVENVIMVLVFKFFGVKVLLNYCHSLIALQLIIAYLISI 395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             185 SNILA-----GHLLLVILAGLILNFISISMFTFALGILPLSILLGIVALESAIAFIQAM 238
                                                                                                                                                                      11 OFTTRVYFGLSSGLINLDIMILISFSMYSI --- AVVALMLGFSI - LNDNNTNILPTRWSL 66
                                                                                                                                                                                                                                   238 -LEVLCITIWRTLE----ITSRLLILVLFSA---TLKLKAVPFLVLNFLI----
4.1%; Score 95.5; DB 3; Length 255; 23.2%; Pred. No. 0.035; tive 45; Mismatches 108; Indels 3
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ZIP: 60606

ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
CONFUTER: IBM PC compatible
CONFUTER: IBM PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,281A
FILING DATE: 04-SEP-1996
FILING DATE: 04-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3: McDonnell Boehnen Hulbert & Berghoff
300 South Wacker Drive
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87

337

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207 HMFLLARNHVKRIAASPRYNSVRQRTSMKGA----ITLTML-LGIFIVCWSPFFLHLI-- 259
                                                                                                                                                                                          SNAWETVTIYLLNNKHLVIADTFVRHIDNVFDSMICISVVASMCSLLAIAVDRXITIFYA 147
                                                                                                                                                                                                                                                                                  ----TYQLYV----SLISAEVPLGRVVLMVFSLVSVTYGATLCNMLAIQI-KYDD--YK 232
                                                                                                                                                                                                                                                      233 IRLGPL-----EVLCITIWRTLEITSRLLILVLFSA---TLKLKAVPFLVLNFLILFF 283
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                                Gaps
                                                                                                     | :::| : |:||:
41 EVFLTLGLVSLL---ENILV---IGAIVKNKNLH------SPMYFFVGSLAVADMLVSM
                                                                                                                                                                                                                                                                                                                                            284 PWIKFWRSG----AQMP--NNIEKNFSRVGTLVVLISVTILYAGINFSCWSALQLRLADR
                                                                                                                                                                                                                                                                                                                                                                                                                               DLVDKGQNWGHMGLHYSVRLVBNVIMVLVFKFFGVKVLLNYCHSLIALQLIIAYLISIDF
                                89;
                                                                       131 EPYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLGSVPQL--
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TITLE OF INVENTION: METHODS FOR IDENTIFYING AGONISTS AND TITLE OF INVENTION: ANTAGONISTS FOR HUMAN NEURONAL TITLE OF INVENTION: ANTAGONISTS FOR HUMAN NEURONAL TITLE OF INVENTION: NICOTINIC ACETYLCHOLINE RECEPTORS NUMBER OF SEQUENCES: 18

CARRESONDENCE ADDRESS:

CARRESONDENCE ADDRESS:

ADDRESSEE: 1660 Union Street
    19.5%; Pred. No. v.vo., tive 65; Mismatches 111; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.25 SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,596
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
FILING DATE: 08-MAR-1994
FILING DATE: 08-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      398 MLLFFQYLHPLRSLFTHNVVDYLHCVCCH 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ----PLIYALRSQEMRRT--FKEIVCCH 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 03-APR-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 30-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/149,503 FILING DATE: 08-NOV-1993 PRIOR PELCY DATA: APPLICATION DATA: APPLICATION NUMBER: US 08/028,031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 16, Application US/08487596
Patent No. 6440681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kathryn J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 08-MAR-1993
                                64; Conservative
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
         Similarity
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         Best Local
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                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   338 DLVDKGQNWGHMGLHYSVRLVENVIMVLVPKPPGVKVLLNYCHSLIALQLIIAYLISIDF 397
                                                                                                                     | ::: | : | : | : | 4 | EVPLTLGLUSLL---ENILV---IGAIUKONLH-----SPMYFFVGSLAVADMLVSM 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Low, Malcolm J
LILE OF INVENTION: Mammalian Melanocortin Receptor and Uses
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
4.1%; Score 95.5; DB 3; Length 325;
19.5%; Pred. No. 0.051;
tive 65; Mismatches 111; Indels 89;
                                                                                       131 EPYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLGSVPQL--
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COMPUTER: IBM PC Compatible
CERATURG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/097,231
FILING DATE: 12-Jun-1998
CLASSIFICATION: <unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4.1%; Score 95.5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: McDonnell Boehnen H
STREET: 300 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: No. 6278038nan, Kevin E
REGISTRATION NUMBER: 35,303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           398 MLLFFQYLHPLRSLFTHNVVDYLHCVCCH 426
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18, Application US/09097231
Patent No. 6278038
GENERAL INFORMATION:
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TELEPAX: 312-913-0002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chen, Wenbiao
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COMPUTER READABLE FORM:
                                              64; Conservative
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Query Match
Best Local Similarity
Matches 64; Conserv
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US-09-097-231-18
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                                                                        33 RLADRDLVDKGQNWGHMGLHYSVRLVENVIMVLVFKFFG-----VKVLLNYCHSLIAL 385
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         338 DLVDKGQNWGHMGLHYSVRLVENVIMVLVFKFFGVKVLLNYCHSLIALQLIIAYLISIDF 397
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                                                                                                                                                              386 QLIIAYLISIDFMLLFFQYLHPLRSLFTHNVVDYLHCVCCHQHPRTRVENSEP 438
                                                                                                                                                                                          131 EPYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLGSVPQL-
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4.0%; Score 92.5; DB 1; Length 325;
Best Local Similarity 19.1%; Pred. No. 0.11;
Matches 63; Conservative 66; Mismatches 111; Indels 8
                                                                                                                                                                                                                                                                                                      Sequence 10, Application US/08671525B
Patent No. 5703220
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE PACENTIN FULDS/MSDDS
SOFTWARE PACENTIN FELEAGE #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,525B
FILING DATE: June 27, 1996
CLASSIFICATION: 435
TTORNEY/ABORT INCORMATION:
NAME: Smith, DeAnn F.
REGISTRATION NUMBER: 36683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Harness, Dickey & Pierce, P.L.C. STREET: P.O. Box 828
CITY: Bloomfield Hills
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2115-000853DVB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOR/MG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 2.
TELECOMMUNICATION INFORMATION
TELEPHONE: (810) 641-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 325 amino acids
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TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      amino acid
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US-08-671-525B-10
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GENERAL INFORMATION:
FACTOR 5380370

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION:
FILE REPERENCE:
GTC-07

CURRENT FILING DATE: 1998-08-13

PRIOR PELLICATION NUMBER: US 60/064,964

PRIOR PELLING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR PELLING DATE: 1997-11-08

PRIOR PELLING DATE: 1997-11-08

PRIOR PELLING DATE: 1997-08-14

RUBBER OF SEQ ID NOS: 5674

SEQ ID NO 5576

LENGTH: 683
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                                                                                                                                                                                                                                                                                                                                                                               73 FFMFSSIMVQLTLI---FV----HRDLAKDKPLSLFMHLILLG--PVIRCLEAMIKYLTL 123
                                                                                                                                                                                                                                                                                                                                                                                                          124 WKKEEQEEPYV----SLTRKGMLIDGEEVLIEW--EVGHSIRTLAMHRNAYKRMSQIQA 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   359 PEKER-SQPVVKGKVLEKKKQKQLSDGEKVLVAFLEKAADSIRYISRHVKKEHFISQVVQ 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 56 DSELFMYTLIAPLLFVEG------VNVSRVHLRKYIKPVMMA-LGLVITTVIG 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       225 QIKYDDYKIRLGPLEVLCITIWRTLE---ITS-----RLLI---LVLFSATLKLKAVPF 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              163 II---SPKIAVGVLITGTPSIPDAIQOPLIASIGGAIVGLIIGMALVRFRLTLMRRGIEN 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         273 LVLNPLIILFEPWIKFWRSGAQMPNNIEKNFSRVGTLVVLISVTILYAGINFSCWSALQL 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        128 EQEEPYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLGSV--PQLT 185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -----VSVTYGATLCNMLAI 224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
4.1%; Score 94.5; DB 4; Length 683;
Best Local Similarity 19.9%; Pred. No. 0.2;
Matches 82; Conservative 77; Mismatches 151; Indels 103;
                                                                                                                                                                                                                                                                                             Length 458
                                                                                                                                                                                                                                                                                                                                      64; Indels
                                                                                                                                                                                                                                                                                           4.1%; Score 95; DB 4;
25.1%; Pred. No. 0.096;
tive 35; Mismatches 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               186 YQLYVSLISAEVPLGRVVLMVFSL------
                             6362-9951
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                    REPERENCE DOCKET NUMBER: 6362.
TELECOMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELETAK: 619-238-0062
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 458 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: 1inear
REGISTRATION NUMBER: 33,779
                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 25.1*
Matches 44; Conservative
                                                                                                                                                                                                                         , MOLECULE TYPE: protein US-08-487-596-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       418 DWKFVAQV----
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----TWISCPQNVXCSCFMSYFNMYLILIMCNSVID----
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2115-000853DVE
398 MLLFFQYLHPLRSLFTHNVVDYLHCVCCH 426
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115
TELECOMMUNICATION INFORMATION:
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amino acid
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 48303
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                                                                                   RESULT 13
US-08-842-045-10
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                    292
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                    -- 291
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4.0%; Score 92.5; DB 1; Length 325;
Best Local Similarity 19.1%; Pred. No. 0.11;
Matches 63; Conservative 66; Mismatches 111; Indels 8
                                                                                                                                                                                                          Sequence 10, Application US/08672109B
Patent No. 5710265
GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
IITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   260 ------LMISCPQNVYCSCFMSYFNMYLLIMCNSVID-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE PORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SUCTABLE PLICATION DATA:
APPLICATION NUMBER: UND 27, 1996
CLASSIFICATION:
NAME: SMILH, DEADN P.
REGISTRATION NUMBER: 31633
REFERENCE/DOCKET NUMBER: 2115-000853DVC
TELECOMMUNICATION NUMBER: 2115-000853DVC
TELECOMMUNICATION NUMBER: 2115-000853DVC
                                                                                               292 ----PLIYALRSQBMRRT--FKEIVCCH 313
                                                              398 MLLPFQYLHPLRSLFTHNVVDYLHCVCCH 426
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TELEPAX: (810)641-0270
INPORNATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS:
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amino acid
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131 EPYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLGSVPQL---- 184
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Patent No. 5817787

GENERAL INFORMATION:

APPLICANT: Yamada, Tadataka

APPLICANT: Gantz, Ira

TITLE OF INVENTION: Genes Encoding Melanocortin Receptors

NUMBER OF SEQUENCES: 23

CORRESPONDENCES: 23

CORRESPONDENCE ADDRESS:

ADDRESSEE: Harness, Dickey & Pierce, P.L.C.

STREET: P.O. Box 828

CITY: Bloomfield Hills

COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4.0%; Score 92.5; DB 2; Length 325; 19.1%; Pred. No. 0.11; tive 66; Mismatches 111; Indels 8
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GENERAL INFORMATION

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   185 ----TYQLYV----SLISAEVPLGRVVLMVPSLVSVTYGATLCNMLAIQI-KYDD--YK 232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SNAWETVTIYLANKHLVIADTFVRHIDNVFDSMICISVVASMCSLLAIAVDRXITIFYA 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    233 IRLGPL-----EVLCITIWRTLEITSRLLILVLFSA---TLKLKAVPFLVLNFLILLFE 283
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         338 DLVDKGQNWGHMGLHYSVRLVENVIMVLVFKFFGVKVLLNYCHSLIALQLIIAYLISIDF 397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :|: :|: :|:
---ENILV---IGAIVKNKNLH------SPMYFYVGSLAVADMLVSM 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4.0%; Score 92.5; DB 2; Length 325;
19.1%; Pred. No. 0.11;
tive 66; Mismatches 111; Indels 89
                                                  GENERAL INFORMATION:
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSBE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills
STATE: MI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/842,238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-000853DVD
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 398 MLLFFQYLHPLRSLFTHNVVDYLHCVCCH 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ----PLIYALRSOEMRRT--FKEIVCCH 313
Sequence 10, Application US/08842238
Patent No. 5869257
                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (810) 641-0270 INFORMATION FOR SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (810)641-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ITORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 19.1%
Matches 63; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein US-08-842-238-10
                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
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EVFLTLGLVSLL
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185 ----TYQLYV----SLISAEVPLGRVVLMVFSLVSVTYGATLCNMLAIQI-KYDD--YK 232 233 IRLGPL-----EVLCITIWRTLEITSRLLILVLFSA---TLKLKAVPFLVLNFLILFF 283 284 PWIKFWRSG----AQMP--NNIEKNFSRVGTLVVLISVTILYAGINFSCWSALQLRLADR 337 338 DLVDKGQNWGHMGLHYSVRLVENVIMVLVFKFFGVKVLLNYCHSLIALQLIIAYLISIDF 397 | :::| ::| :| | 41 EVFLTLGLVSLL--ENILV---IGAIVKNYGNLH------SPMYFYVGSLAVADMLVSM 87 89; 131 EPYVSLTRKKMLIDGEEVLIEWEVGHSIRTLAMHRNAYKRMSQIQAFLGSVPQL-APPLICANT: Yamada, Tadataka
APPLICANT: Yamada, Tadataka
APPLICANT: Gantz, Ira
TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills 66; Mismatches 111; Indels 260 ------LMISCPONVYCSCFMSYFNMYLILIMCNSVID--SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATE: US/08/629,335B FILING DATE: July 23, 1996 4.0%; Score 92.5; DB 3; 19.1%; Pred. No. 0.11; 398 MLLFFQYLHPLRSLFTHNVVDYLHCVCCH 426 ----PLIYALKSQEMRRT--PKEIVCCH 313 ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible NAME: Smith, Deann.F. REGISTRATION NUMBER: 36683 REFERENCE/DOCKET NUMBER: 21 TELECOMMUNICATION INPORMATION TELEFAX: (810)641-0270
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS: CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: (810)641-1600 : 325 amino acids amino acid Best Local Similarity 19.19 Matches 63; Conservative MOLECULE TYPE: protein OPERATING SYSTEM: SOFTWARE: Patentir linear US-08-629-335B-10 TOPOLOGY: COUNTRY: Query Match ð ઠે ò

17;



Search completed: April 1, 2003, 08:48:06 Job time : 22 secs

US-08-629-335B-10; Sequence 10, Application US/08629335B; Patent No. 6117975